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I. *Cometæ Berolini nuper visi observationes, ut & Eclipses Solaris Feb. 19<sup>no</sup> mane, Noribergæ & Berolini habitæ, è Novis Litterariis Berolinensibus, hoc anno primum edi cæptis, desumptæ.*

**C**L. *Christfridus Kirchius*, motus Corporum cœlestium, ut munere sibi à Societate Scientiarum Regia (*Berolini*) demandato recte fungeretur, sedulò observans, a. d. XV. Kal. Febr. (*Jan 18. st. n.*) anni præsentis, vesperi dimidiâ Septimâ, versus Septentriones fortuitò Cometam conspexit. Vicinus erat ad dextram (stellarum)  $\gamma$  &  $\beta$  *Bayeri* in *Ursa minore*, nudoque oculo longè distinctius apparebat, quam  $\beta$  *Ursæ minoris*, licet ea insignis sit Stella secundæ magnitudinis, cum longè pallidior quidem majore tamen diametro, atque satis clara luce maxime circa centrum, conspiceretur. Per Tubum visus lucidam rotundamque referebat nubeculam; Caudæ autem nullum observari potuiz vestigium, neque Nucleus dignosci. Motu celerrimo ab hora VII. ad XI. processit, gradusque quatuor cum dimidio absolvit, ut ex observationibus colligitur.

Die 19<sup>no</sup> & 20<sup>mo</sup> *Januarii* cœlum nubibus fuit obductum. Die verò 21<sup>mo</sup> Cometa longè recesserat à loco suo nupero, atque in *Cassiopea* deprehendebatur, ubi cum stellis  $\epsilon$  &  $\delta$  triangulum consiciebat (*an aquicrura?*) scil. Hora 5<sup>h</sup> 45' in 17° 34' 8, sub latitudine Boreali 49° 54' hærebat: Deinde 9<sup>h</sup> 15, in 16° 38' 8 sub Lat. Bor. 49° 2' conspiciebatur. Cæterum multum decreverat, atque à celeritate sua remiserat; præterquam enim quod pallidior quam ante apparebat, stellas etiam quartæ dignitatis magnitudine haud superare nudo ocu-

lo conspectus videbatur, inque orbita sua, quatuor cum dimidia horis, non ultra sesquigradum processerat: Tubi autem beneficio diameter ejus 7 min. inveniebatur.

Jan. 23. hora IV. mat. Cometa cum  $\delta$  &  $\phi$  Cassiopeæ triangulum æquicrurum efficiebat, cum ab utraque  $2^{\circ} 41\frac{1}{2}$  abesset. Hoc mane duarum horarum spatio vix dimidium gradum absolvit; hora decima vespertina cum  $\delta$  Cassiopeæ &  $\phi$  Persei in linea recta cernebatur, atque à priori  $3^{\circ} 38'$ , à posteriori  $3^{\circ} 9'$  distabat. Diameter ejus erat 5 min. nudoque oculo conspectus stellam quintæ magnitudinis referebat.

Die 24<sup>to</sup> Jan. hora VI. mat. nondum attigerat  $\phi$  Persei, sed cum  $\nu$  &  $\zeta$  ejusdem Asterismi triangulum æquicrurum sistebat, & ab utraque non planè  $3\frac{1}{2}$  grad. aberat. Plura ex observationibus docebit Astrophilos Vir accuratissimus, in pleniori quam parat hujus Cometæ Historia.

*Hactenus Nova Litteraria dicta pag. 43, 44. ubi desiderantur Observationes Diei 18<sup>væ</sup>, cum Cometa velocissime motus terræ proximus erat, unde certius de Via ejus tam vera quam apparente judicium ferre possemus. Manifestum autem est eum Polo Æquatoris Boreo vicinissimum die Januarii 19<sup>no</sup> transisse. Quod si cui libeat has Observationes ad examen revocare, calculoque accurato subicere; in illius gratiam, loca Stellarum fixarum, quarum hic sit mentio, ex Catalogo Britannico excerpta, subnectuntur: Unde etiam patebit nonnulla in hac motus Cometæ descriptione haud ritè se habere; quæ tamen à Cl. Kirchio corrigi, in pleniori ejus quam promisit historia, spes est.*

Stellarum

*Stellarum fixarum Loca ineunte Anno 1718.*

BAYERO		Long.			Lat. Bor.			
		°	'	"	°	'	"	
<i>Ursæ minoris</i>	$\beta$	22	9	18	0	72	58	10
	$\gamma$	22	17	35	15	75	13	15
<i>Cassiopeæ</i>	$\delta$	28	14	00	35	46	23	25
	$\epsilon$	28	20	50	8	47	31	50
	$\phi$	28	11	36	35	45	4	5
<i>Persei</i>	$\nu$	28	8	32	0	35	23	45
	$\phi$	28	10	41	35	36	49	15
	$g$	28	12	15	20	36	18	37

*Ex iisdem Novis etiam obtinuimus duplicem observationem Eclipsæ Solaris, currentis anni Feb. 19<sup>no</sup> ft. ver. mane celebratæ; alteram Noribergæ à Cl. D. Wurtzelbau, alteram à præfato D. Kirchio Berolini habitam.*

*Noribergæ autem Sol ortus est aliquantulum deficiens in limbo superiore, qui quidem defectus ad tres plene digitos accrevit; Defuit Eclipsis 8<sup>h</sup> 8' 48" circa 60 grad. à Vertice Solis ad Sinistras. Berolini vero Sol statim ab ortu cæpit deficere, Hora scil. 6 49' vel 49'  $\frac{1}{2}$ . Circa medium Eclipsæos, nempe 7<sup>h</sup> 35', erant Partes lucide in Sole residuæ 24' 40", unde digiti obscurati 2<sup>dig.</sup> 50'. Finitis autem incidit in 8<sup>h</sup> 28' 10". Qui plura de his cupit, adeat Nova ipsa Berolini edita.*